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FILE 'USPAT' ENTERED AT 13:24:54 ON 28 AUG 96

*
* W E L C O M E T O T H E *
* U. S. P A T E N T T E X T F I L E *

*
=> s electrical slip ring
480406 ELECTRICAL
79612 SLIP

417287 RING

L1 86 ELECTRICAL SLIP RING
(ELECTRICAL(W) SLIP(W) RING)

=> s electric slip ring
368962 ELECTRIC
79612 SLIP

417287 RING

L2 11 ELECTRIC SLIP RING
(ELECTRIC(W) SLIP(W) RING)

=> s l1 or l2

L3 95 L1 OR L2

=> s photodetect!r or (photo detect!r)

16769 PHOTODETECT!R

59842 PHOTO

164434 DETECT!R

4541 PHOTO DETECT!R

(PHOTO(W) DETECT!R)

L4 19634 PHOTODETECT!R OR (PHOTO DETECT!R)

=> s l3 and l4

L5 1 L3 AND L4

=> d 1

1. 4,711,516, Dec. 8, 1987, Optical slip ring; David W. Graber, 385/26
[IMAGE AVAILABLE]

=> d 1 kwic

US PAT NO: 4,711,516 [IMAGE AVAILABLE]

L5: 1 of 1

DETDESC:

DETD(1)

FIG. . . . and 46, respectively, extending between the slip ring assembly and a control circuit 48 mounted in the steering wheel. An **electrical** **slip** **ring** brush 50 is secured on the lock plate 32 adjacent the aperture 42 and aligned with the outer retainer ring. . . . the surface of the transparent ring 54 and is connected to the control circuit 48 by the conductors 44. A **photodetector** assembly 60 mounted on the transparent ring 56 is connected to conductors 62, which extend down the steering column. The control circuit 48, thus, is powered through the **electrical** **slip** **ring** arrangement and conductor 46. The control circuit interprets signals from actuators represented by a push button switch 63 on the. . . .

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08/401,229

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[IMAGE AVAILABLE]
=>